

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently Amended) An additive for feed to fish and shellfish ~~comprising~~ consisting essentially of oil globules each having a diameter of less than 10 μ m wherein the oil globule is made of edible oil ~~[[and]]~~ which embeds a substance activating biological functions in the living organism of the fish and shellfish, additionally a lipophilic emulsifier, and optionally, water and a hydrophilic emulsifier.

2. (Original) The additive according to claim 1, wherein the substance activating the biological function is at least one selected from the group consisting of inactivated pathogenic virus or bacteria for fish or shellfish, powder of pulverized endoparasite parasitic on fish or shellfish and immunopotentiating agent for fish or shellfish.

3. (Currently Amended) The additive according to claim 1, ~~further~~ comprising water, whereby the ~~additive is~~ oil globules embedding the biologically

active substance are in the state of an oil-in-water emulsion or suspension in an aqueous medium.

4. (Original) Feed for fish and shellfish, comprising the additive of claim 1.

5. (Currently Amended) A method for producing an additive for feed for fish and shellfish, comprising the steps of:

~~pretreating for preparing a powder, an aqueous solution, or an aqueous~~ suspension of a biologically active substance ~~by using, as a material, the biologically active substance~~ effective for activating the biological functions of fish and shellfish;

preparing an intermediate mixture solution in which the biologically active substance is dispersed in oil by mixing any one of the powder, aqueous solution ~~[[and]]~~ or aqueous suspension with edible oil supplemented with a lipophilic emulsifier and stirring the mixture until said substance is uniformly dispersed in the oil; and

forming oil globules by separating the oil contained in the intermediate mixture solution into ~~myriads of oil microglobules,~~ each having a diameter of less than 50 μ m, said additive consisting essentially of said biologically

active substance, edible oil, and, lipophilic emulsifier, and optionally water and a hydrophilic emulsifier.

6. (Currently Amended) The method according to claim 5, wherein the biologically active substance is in the state of an aqueous solution or suspension in ~~the pretreatment step~~, wherein the stirring is performed using a homo-mixer in the step of preparing the intermediate mixture solution, wherein the step of forming oil globules is performed by adding a hydrophilic emulsifier and stirring by ultrasonic vibrations, and wherein the product is in the form of ~~[[a]]~~ an emulsion or suspension of oil globules in an aqueous medium.

7. (Currently Amended) A method for producing an additive for feed for fish and shellfish, comprising the steps of:

~~pretreating for preparing a powder, an aqueous solution, or an aqueous suspension of a biologically active substance by using, as a material, the biologically active substance effective for activating the biological functions of fish and shellfish;~~

preparing an intermediate mixture solution in which the biologically active substance is dispersed in oil by mixing any one of the powder, aqueous

solution ~~[[and]]~~ or aqueous suspension with edible oil supplemented with a lipophilic emulsifier; and

adding by separating the oil contained in the intermediate mixture solution into ~~myriads of~~ oil microglobules each having a diameter of less than 50 μm , and incorporating the oil microglobules into a base material for feed for fish or shellfish; said additive consisting essentially of said biologically active substance, edible oil and lipophilic emulsifier and optionally, water and a hydrophilic emulsifier.

8. (Currently Amended) The method according to claim 7, wherein the intermediate mixture solution is atomized into oil microglobules with a spraying device and the microglobules are sprayed on the surface of the base material in the step of adding, if the base material for feed is in the form of ~~pellet~~ pellets, and wherein the intermediate mixture solution is atomized into oil microglobules with a spraying device and the microglobules are kneaded into the base material in the step of adding, if the base material for feed is in the form of paste.

9. (Currently Amended) The method according to claim 7, wherein the biologically active substance is in the state of an aqueous solution or suspension in ~~the pretreatment step~~ and the base material for feed is in the form of paste, and

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wherein the intermediate mixture solution is kneaded into the base material for feed
in the step of adding.